

Title (en)  
PROCESS FOR PRODUCING SINGLE CRYSTAL OF OXIDE.

Title (de)  
VERFAHREN ZUR HERSTELLUNG EINES OXIDEINKRISTALLS.

Title (fr)  
PROCEDE DE PRODUCTION D'UN MONOCRISTAL D'OXYDE.

Publication  
**EP 0477387 B1 19951122 (EN)**

Application  
**EP 91907709 A 19910417**

Priority  
• JP 9100510 W 19910417  
• JP 10083490 A 19900417

Abstract (en)  
[origin: WO9116477A1] A process for producing a single crystal of  $\text{SrLaGaO}_4$  by the Czochralski process using the following oxide as a melt of raw material:  $\text{Sr}_x\text{?Lay?Gaz?Ow?}$  wherein  $z$ ,  $y$ ,  $x$ ,  $0.28 \times 0.325$ ,  $x+y+z=1$ , and  $w=(2x+3y+3z)/2$ . Preferably the melt is formed by rotating the raw material, and further preferably the single crystal is produced in an atmosphere containing reduced amounts of steam and carbon dioxide.

IPC 1-7  
**C30B 15/00**; **C30B 29/22**

IPC 8 full level  
**C30B 15/00** (2006.01)

CPC (source: EP US)  
**C30B 15/00** (2013.01 - EP US); **C30B 29/22** (2013.01 - EP US)

Citation (examination)  
J. Inorg. Nucl. Chem., Vol. 27, 1965, pp. 2683 - 2684, BLASSE G.

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DE FR GB IT

DOCDB simple family (publication)  
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DOCDB simple family (application)  
**JP 9100510 W 19910417**; DE 69114803 T 19910417; EP 91907709 A 19910417; US 77633991 A 19911213